



SEQUENCE LISTING

<110> URQUIMA, S.A.

<120> Promotor and constructions for expression of
recombinant proteins in filamentous fungi

<130> Thaumatin 2

<140> PCT/EP 99/02243

<141> 1999-04-01

<150> ES 9800699

<151> 1998-04-02

<160> 13

<170> PatentIn Ver. 2.1

<210> 1

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<212> DNA

<213> Aspergillus awamorii

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gcgtgccagg aaatgccgcc tgcagcggag actccctagt gtggtctgtg ttgcctgtgt 420
cgtctgtgta gtatactagt tactagtcta ctactgtaca gtggatggcc tgaggggggg 480

ggc agc tgg ggt ggt tcc ctc atc cgc cct gag gcc acc ggt tac ggt	1404
Gly Ser Trp Gly Gly Ser Leu Ile Arg Pro Glu Ala Thr Gly Tyr Gly	
185 190 195 200	
ggt gtc tac gtatgtcaat tcctcttctt atgattatct atgtataaca	1453
Val Val Tyr	
gcgactaacg cgtaacag tac gtc gag cac atg att gct cac gcc acc aac	1504
Tyr Val Glu His Met Ile Ala His Ala Thr Asn	
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Gly Gln Glu Ser Phe Lys Gly Lys Arg Val Ala Ile Ser Gly Ser Gly	
215 220 225 230	
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Asn Val Ala Gln Tyr Ala Ala Leu Lys Val Ile Glu Leu Gly Gly Ser	
235 240 245	
gtc gtc tcc ctg agc gac acg cag ggc tcc ctc atc atc aac ggc gag	1648
Val Val Ser Leu Ser Asp Thr Gln Gly Ser Leu Ile Ile Asn Gly Glu	
250 255 260	
ggt agc ttc acc ccc gag gag atc gag ctc atc gct cag acc aag gtc	1696
Gly Ser Phe Thr Pro Glu Glu Ile Glu Leu Ile Ala Gln Thr Lys Val	
265 270 275	
gag cgc aac gag ctc gcc agc atc gtc ggt gct gct ccc ttc agc gac	1744
Glu Arg Asn Glu Leu Ala Ser Ile Val Gly Ala Ala Pro Phe Ser Asp	
280 285 290	
gcc aac aag ttc aag tac att gct ggt gcc cgc ccc tgg gtt cac gtc	1792
Ala Asn Lys Phe Lys Tyr Ile Ala Gly Ala Arg Pro Trp Val His Val	
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Gly Lys Val Asp Val Ala Leu Pro Ser Ala Thr Gln Asn Glu Val Ser	
315 320 325	
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Gly Glu Glu Ala Gln Val Leu Ile Asn Ala Gly Cys Lys Phe Ile Ala	
330 335 340	
gag ggt tcc aac atg ggt tgc acc cag gag gcc atc gac acc ttc gag	1936
Glu Gly Ser Asn Met Gly Cys Thr Gln Glu Ala Ile Asp Thr Phe Glu	
345 350 355	
gcc cac cgt acc gcc aac gct ggc gcg gct gcc atc tgg tac gcc ccc	1984
Ala His Arg Thr Ala Asn Ala Gly Ala Ala Ala Ile Trp Tyr Ala Pro	
360 365 370	
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Gly Lys Ala Ala Asn Ala Gly Gly Val Ala Val Ser Gly Leu Glu Met	
375 380 385 390	
gct cag aac tct gcc cgc ctc agc tgg act tct gag gag gtt gat gcc	2080
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395 400 405	

cgt ctt aag gac atc atg cgc gac tgc ttc aag aac ggt ctt gag act 2128
 Arg Leu Lys Asp Ile Met Arg Asp Cys Phe Lys Asn Gly Leu Glu Thr
 410 415 420

gct cag gag tac gcc acc ccc gct gag ggt gtc ctg cct tcc ctg gtg 2176
 Ala Gln Glu Tyr Ala Thr Pro Ala Glu Gly Val Leu Pro Ser Leu Val
 425 430 435

acc gga tcc aac att gcc ggt ttc acc aag gtg gct gcc gcc atg aag 2224
 Thr Gly Ser Asn Ile Ala Gly Phe Thr Lys Val Ala Ala Ala Met Lys
 440 445 450

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 Asp Gln Gly Asp Trp Trp
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<213> Aspergillus awamorii

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Tyr Arg Lys Ala Leu Ala Val Val Ser Val Pro Glu Arg Val Ile Gln
 35 40 45

Phe Arg Val Val Trp Glu Asp Asp Ala Gly Asn Val Gln Val Asn Arg
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Gly Phe Arg Val Gln Phe Asn Ser Ala Leu Gly Pro Tyr Lys Gly Gly
 65 70 75 80

Leu Arg Phe His Pro Ser Val Asn Leu Ser Ile Leu Lys Phe Leu Gly
 85 90 95

Phe Glu Gln Ile Phe Lys Asn Ala Leu Thr Gly Leu Asn Met Gly Gly
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Gly Lys Gly Gly Ser Asp Phe Asp Pro Lys Gly Lys Ser Asp Asn Glu
 115 120 125

Ile Arg Arg Phe Cys Val Ser Phe Met Thr Glu Leu Cys Lys His Ile
 130 135 140

Gly Ala Asp Thr Asp Val Pro Ala Gly Asp Ile Gly Val Thr Gly Arg
 145 150 155 160
 Glu Val Gly Phe Leu Phe Gly Gln Tyr Arg Lys Ile Arg Asn Gln Trp
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 Glu Gly Val Leu Thr Gly Lys Gly Gly Ser Trp Gly Gly Ser Leu Ile
 180 185 190
 Arg Pro Glu Ala Thr Gly Tyr Gly Val Val Tyr Tyr Val Glu His Met
 195 200 205
 Ile Ala His Ala Thr Asn Gly Gln Glu Ser Phe Lys Gly Lys Arg Val
 210 215 220
 Ala Ile Ser Gly Ser Gly Asn Val Ala Gln Tyr Ala Ala Leu Lys Val
 225 230 235 240
 Ile Glu Leu Gly Gly Ser Val Val Ser Leu Ser Asp Thr Gln Gly Ser
 245 250 255
 Leu Ile Ile Asn Gly Glu Gly Ser Phe Thr Pro Glu Glu Ile Glu Leu
 260 265 270
 Ile Ala Gln Thr Lys Val Glu Arg Asn Glu Leu Ala Ser Ile Val Gly
 275 280 285
 Ala Ala Pro Phe Ser Asp Ala Asn Lys Phe Lys Tyr Ile Ala Gly Ala
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 Arg Pro Trp Val His Val Gly Lys Val Asp Val Ala Leu Pro Ser Ala
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 Thr Gln Asn Glu Val Ser Gly Glu Glu Ala Gln Val Leu Ile Asn Ala
 325 330 335
 Gly Cys Lys Phe Ile Ala Glu Gly Ser Asn Met Gly Cys Thr Gln Glu
 340 345 350
 Ala Ile Asp Thr Phe Glu Ala His Arg Thr Ala Asn Ala Gly Ala Ala
 355 360 365
 Ala Ile Trp Tyr Ala Pro Gly Lys Ala Ala Asn Ala Gly Gly Val Ala
 370 375 380
 Val Ser Gly Leu Glu Met Ala Gln Asn Ser Ala Arg Leu Ser Trp Thr
 385 390 395 400
 Ser Glu Glu Val Asp Ala Arg Leu Lys Asp Ile Met Arg Asp Cys Phe
 405 410 415
 Lys Asn Gly Leu Glu Thr Ala Gln Glu Tyr Ala Thr Pro Ala Glu Gly
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